



开发环境准备

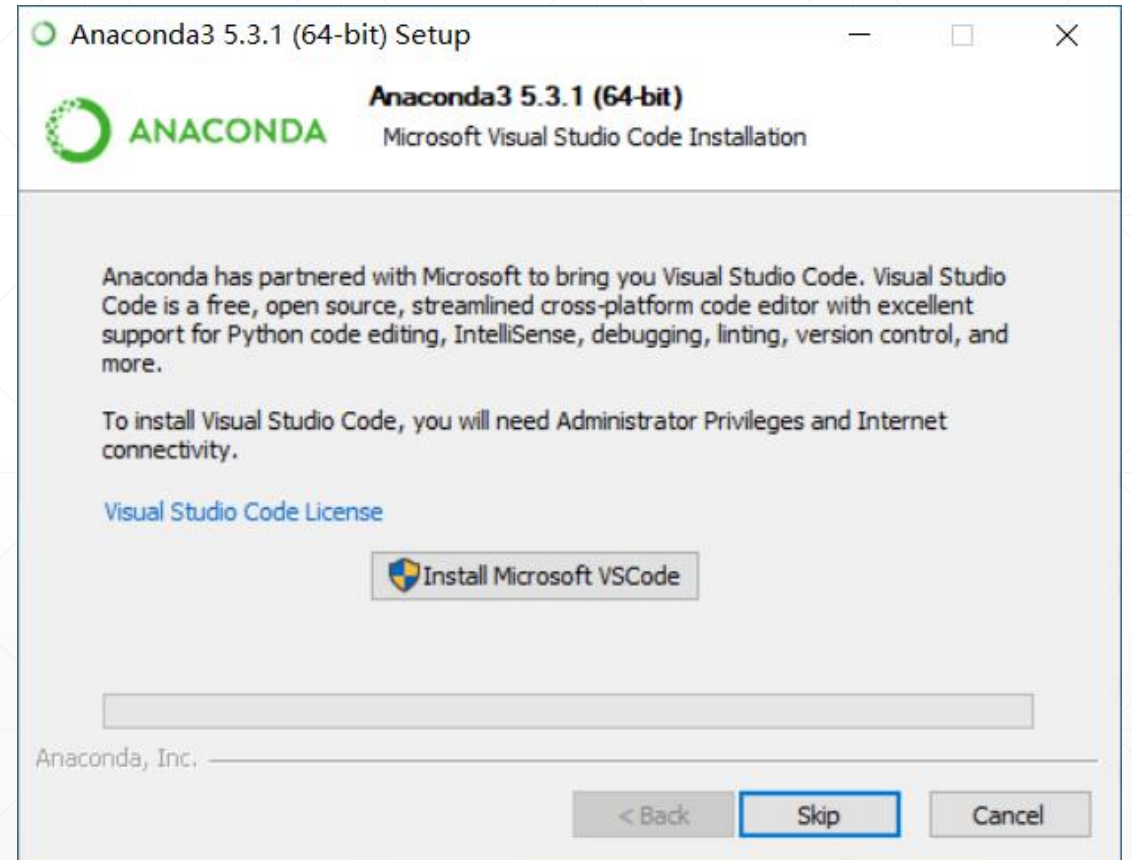
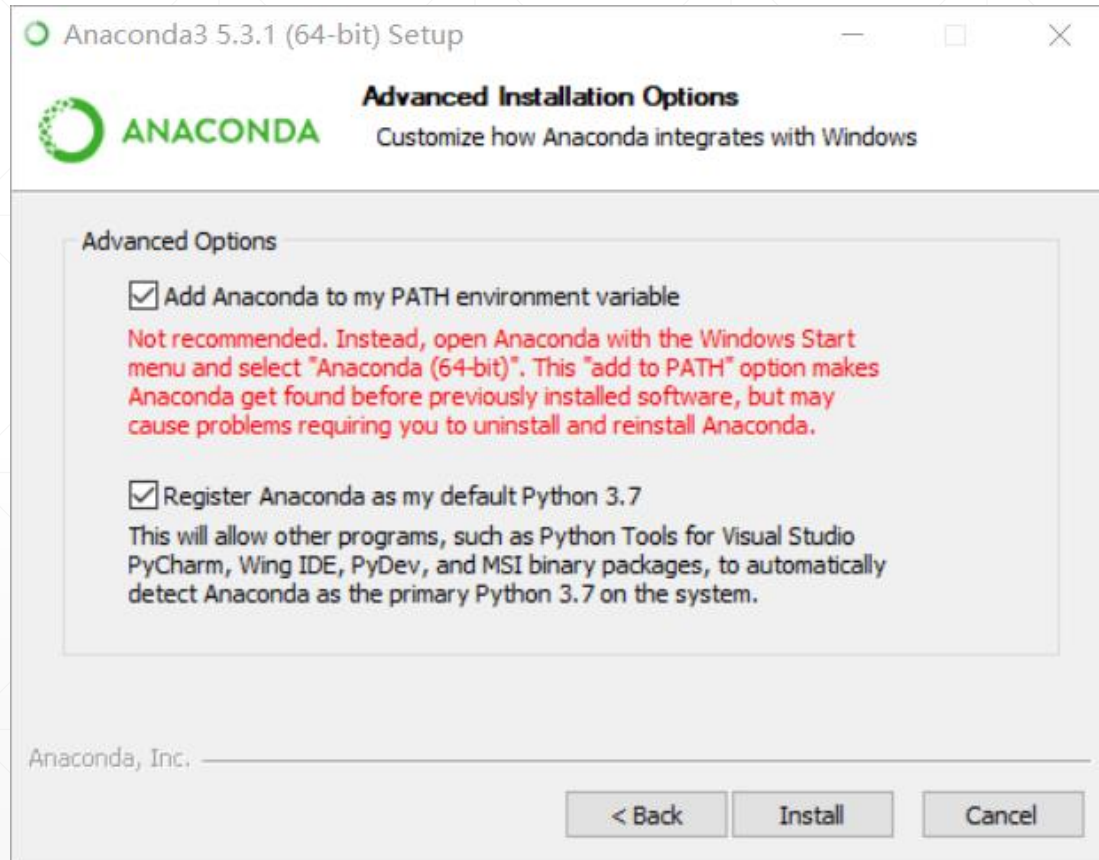
主讲人：龙良曲

开发环境

- Python 3.7 + Anaconda 5.3.1
- CUDA 10.0
- Pycharm Community

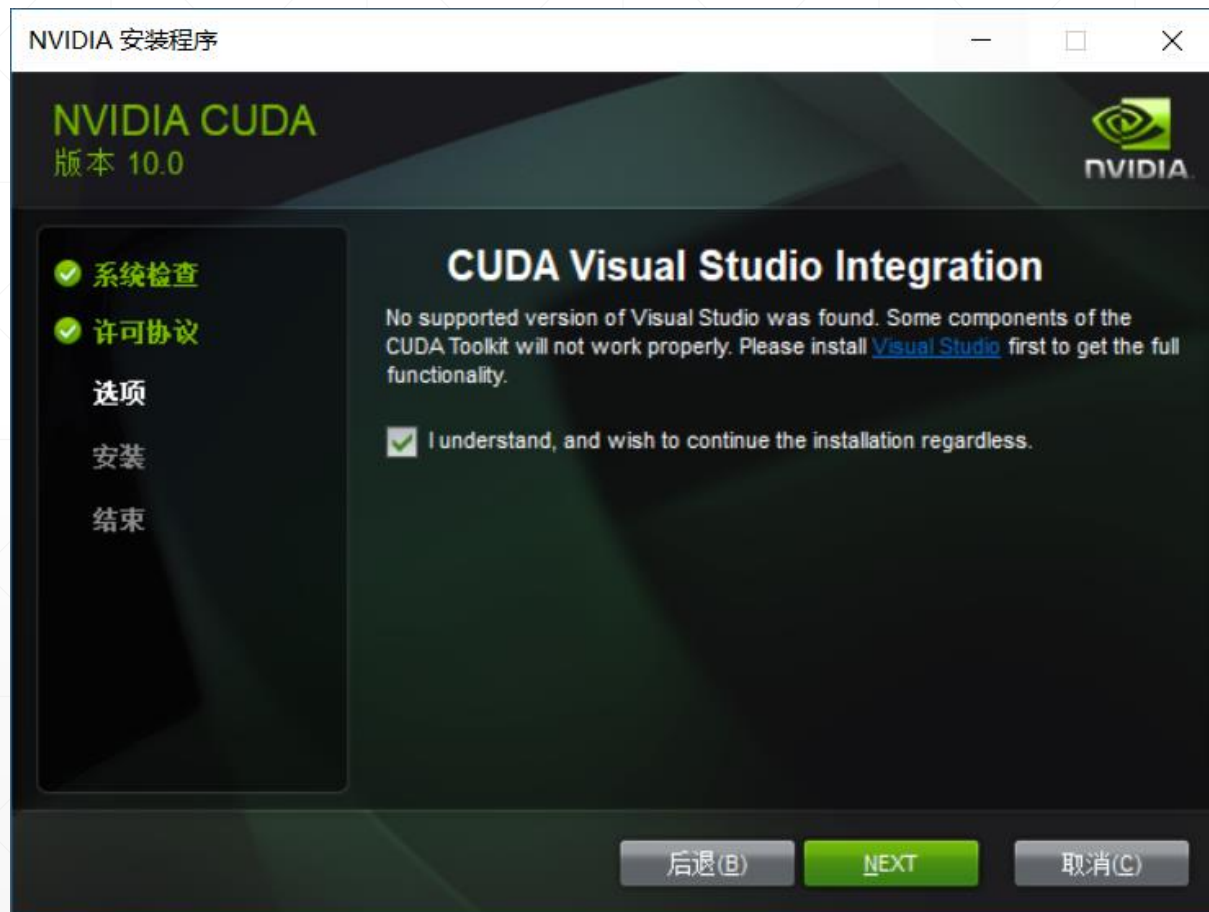


ANACONDA

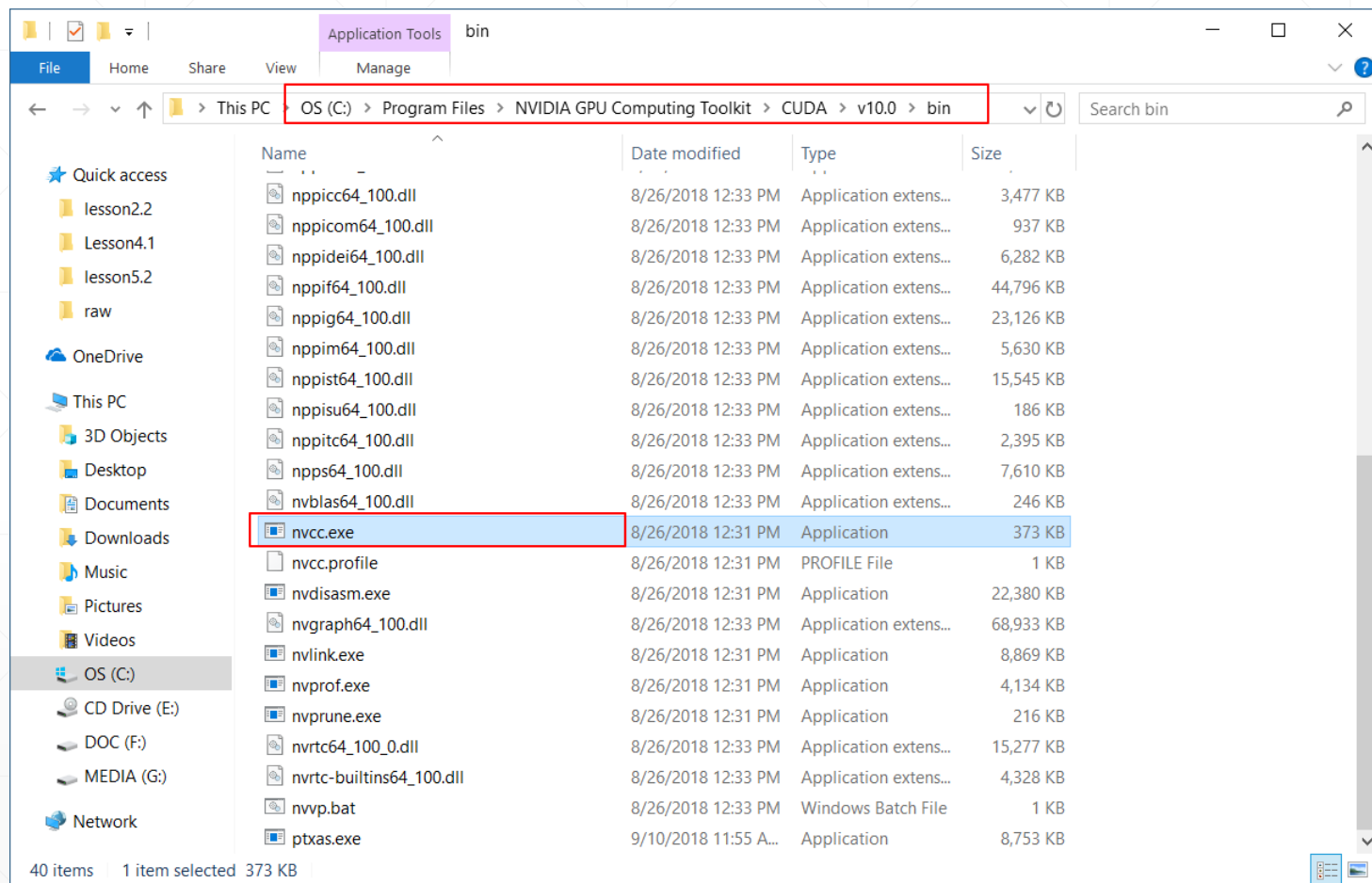


CUDA 10.0

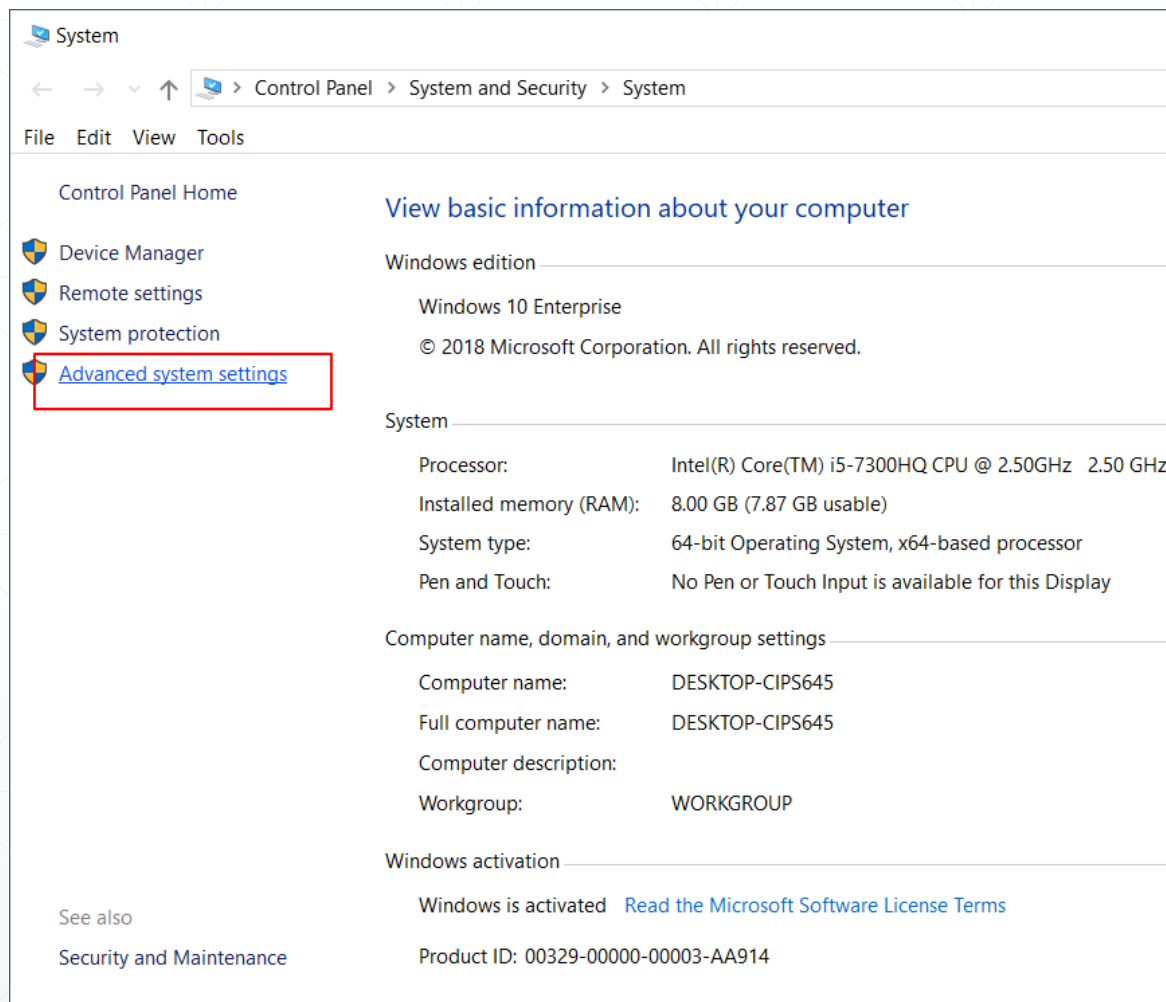
■ NVIDIA显卡

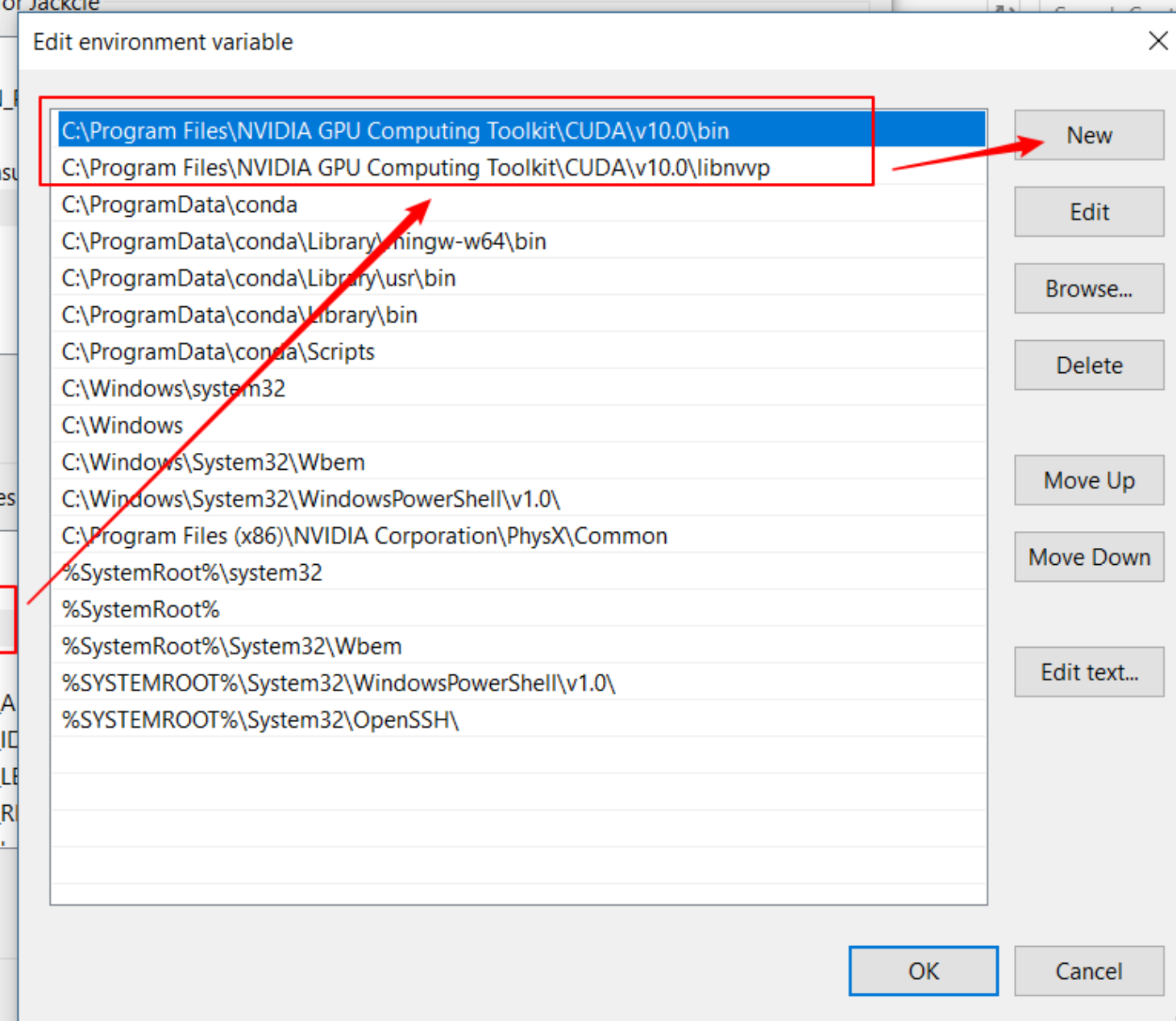
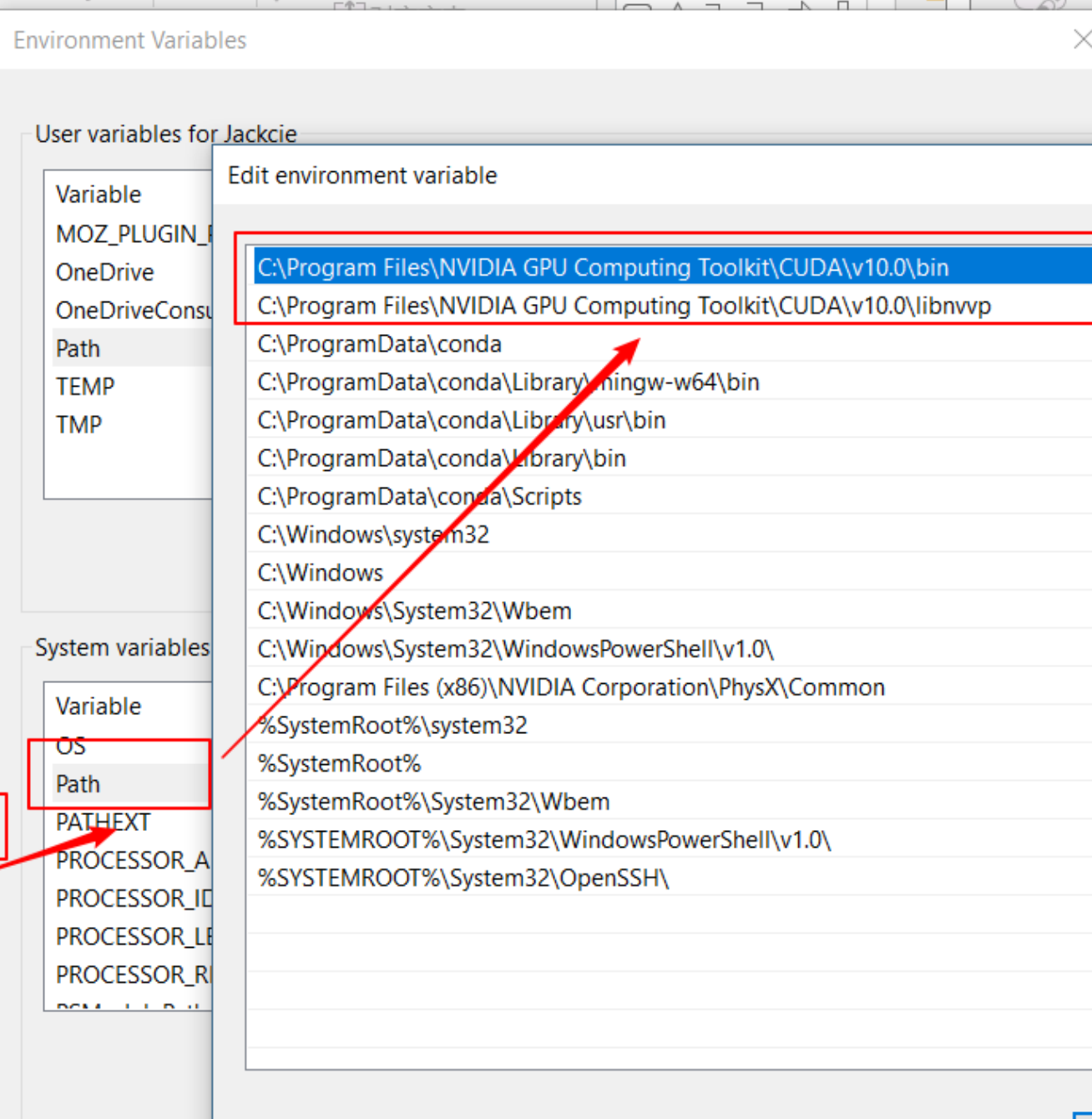
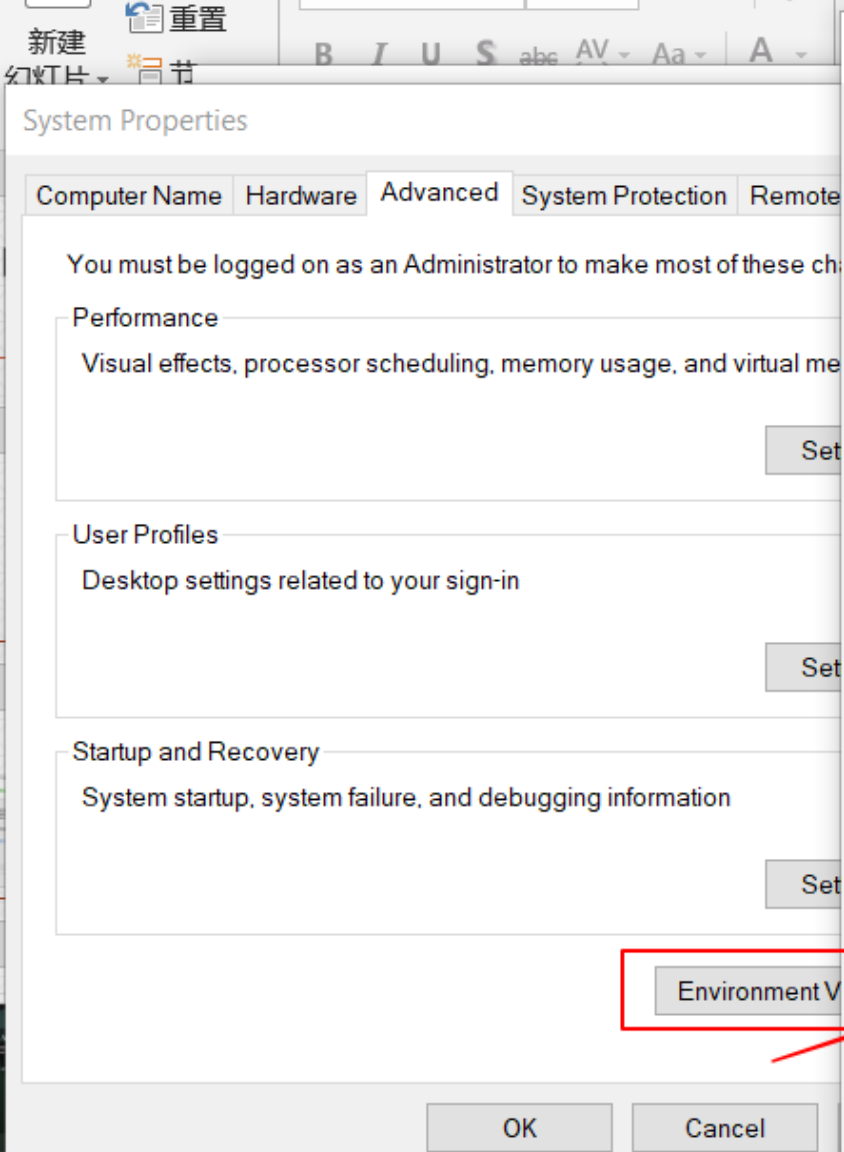


CUDA 安装确认

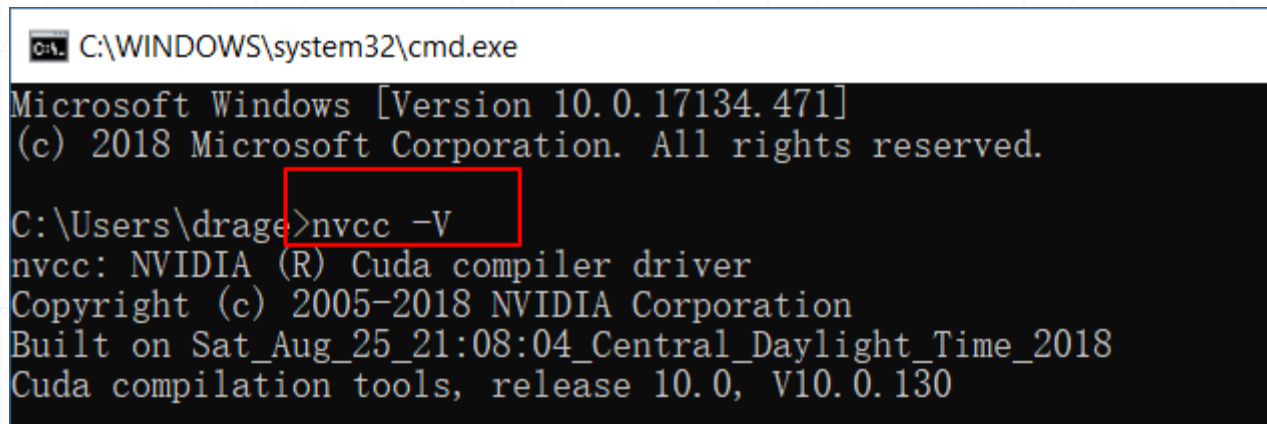


路径添加到PATH





CUDA 测试



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.471]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\drage>nvcc -V
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2018 NVIDIA Corporation
Built on Sat_Aug_25_21:08:04_Central_Daylight_Time_2018
Cuda compilation tools, release 10.0, V10.0.130
```


PyTorch安装

```
C:\Users\drage>conda install pytorch torchvision cuda100 -c pytorch
Fetching package metadata .....
Solving package specifications: .

Package plan for installation in environment C:\ProgramData\conda:

The following NEW packages will be INSTALLED:

blas:                1.0-mkl
cuda100:             1.0-0                  pytorch
ninja:               1.8.2-py36he980bc4_1
pytorch:             1.0.0-py3.6_cuda100_cudnn7_1 pytorch [cuda100]
torchvision:         0.2.1-py_2             pytorch

The following packages will be UPDATED:

conda:               4.3.30-py36h7e176b0_0 --> 4.5.11-py36_0
conda-env:           2.6.0-h36134e3_1      --> 2.6.0-1
pycosat:             0.6.2-py36hf17546d_1 --> 0.6.3-py36hfa6e2cd_0

Proceed ([y]/n)? y
```

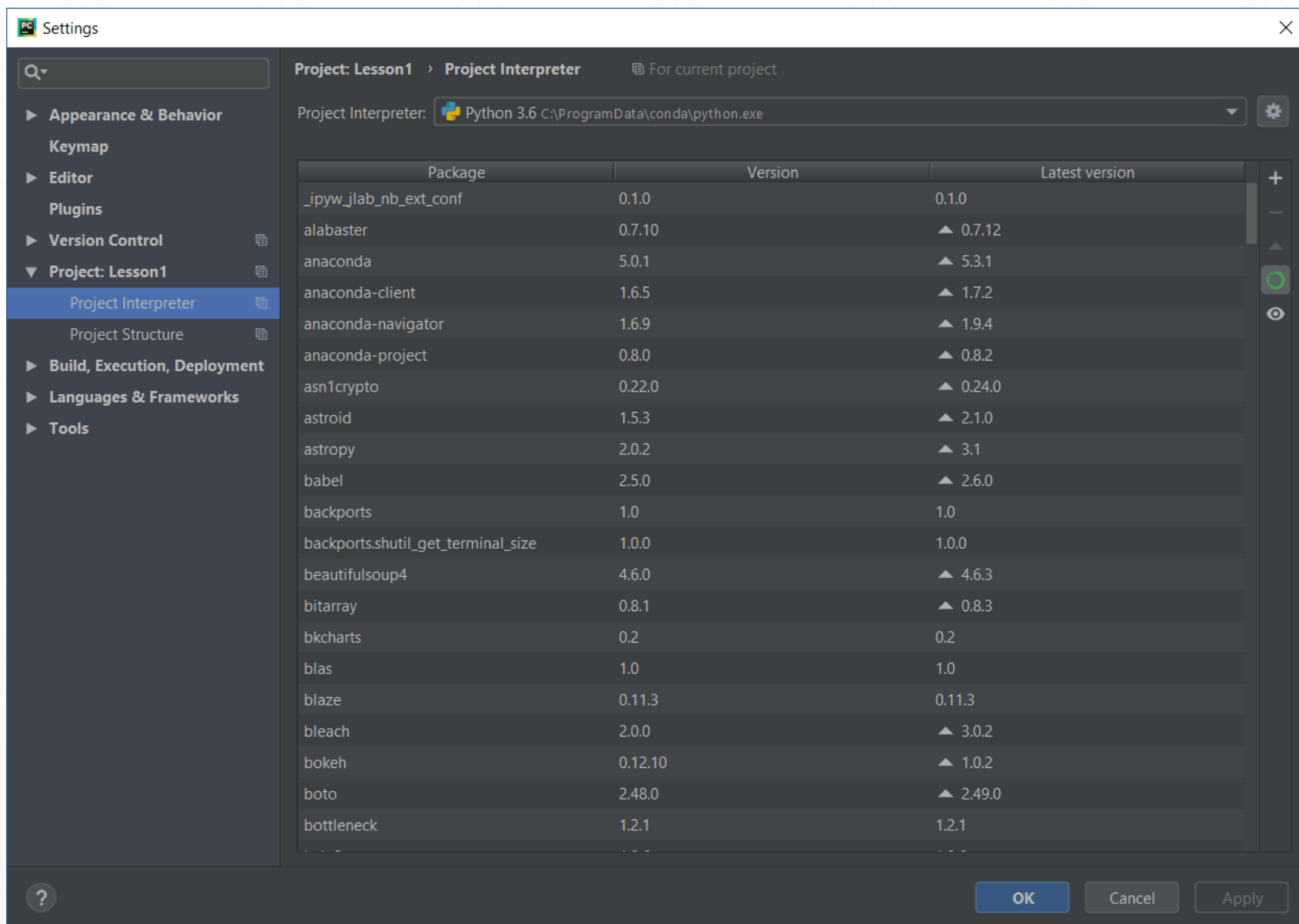
管理员身份运行cmd

```
CondaIOError: Missing write permissions in: C:\ProgramData\conda
#
# You don't appear to have the necessary permissions to install packages
# into the install area 'C:\ProgramData\conda'.
# However you can clone this environment into your home directory and
# then make changes to it.
# This may be done using the command:
#
# $ conda create -n my_root --clone="C:\ProgramData\conda"

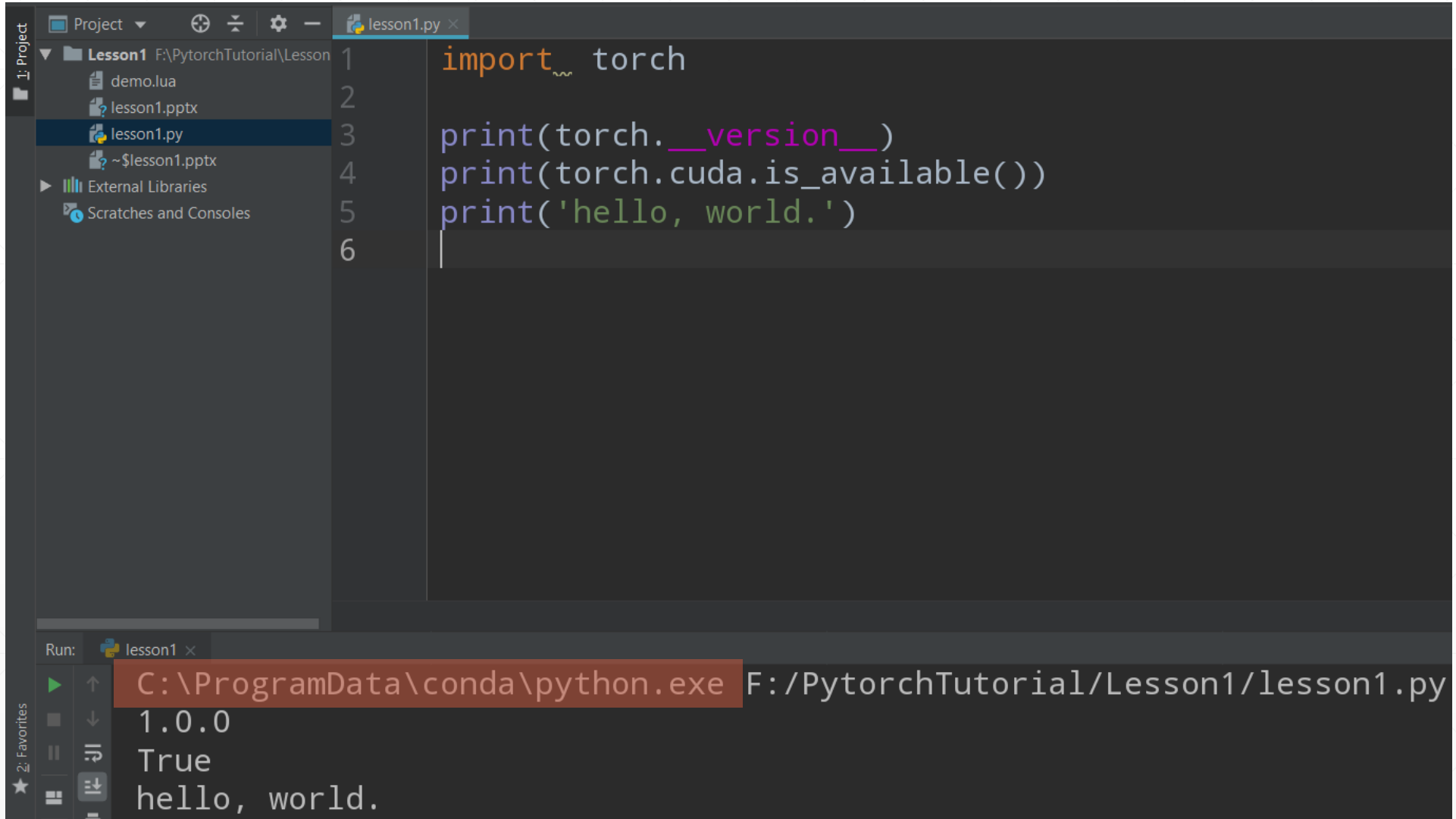
C:\Users\drage>
```

PyCharm

■ 配置Interpreter



PyCharm



下一课时

基本数据类型

Thank You.
